



Docket No. SAIC0017

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

David Charles RICKS, et al.

Group Art Unit: 2193

Serial No.: 09/933,004

Examiner: Tan V. Mai

Filed: August 21, 2001

For: SYSTEM AND METHOD FOR ADAPTIVE FILTERING

**RESUBMISSION OF INFORMATION DISCLOSURE STATEMENT AND
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILED ON
FEBRUARY 27, 2002 AND MARCH 19, 2002, RESPECTIVELY**

U.S. Patent and Trademark Office
Customer Window, Amendment
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

In accordance with the requirements of 37 C.F.R. §§ 1.56, 1.97-1.98 and MPEP § 609, the references noted on the attached form PTO-1449 are hereby brought to the attention of the Examiner.

No fees are believed to be necessary since the references cited in these statements were filed on February 27, 2002 and March 19, 2002, respectively. Upon reviewing this matter after receipt of a Notice of Allowance, it was found the above-cited 1449 forms were not made part of the record for this matter and, thus, not reviewed by the Examiner. We have attached a copy of the return postcard for each showing receipt of the IDS submissions by the


U.S. Patent and Trademark Office. We were requested by the Examiner and his Supervisor to re-file these IDS submissions showing proof that they had been filed in 2002. We would appreciate the expedited review of these IDS submissions and return of the initialed 1449 forms for each prior to the deadline date of January 25, 2006 for payment of the issue fee for this matter.

The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. 1.16 or 1.17 which may be required during the entire pendency of this application, or to credit any overpayment, to Deposit Account No. 501458. A duplicate copy of this letter is submitted herewith for that purpose.

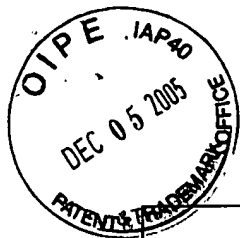
The above information is presented so that the United States Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. See 37 C.F.R. §§ 1.104(a) conferring the PTO duty to consider and use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Date: December 05, 2005

Respectfully submitted,

By: 
Michael J. Dimino
Registration No. 44,657

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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

| | | |
|--|---|---------------------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) Sheet 1 of 1 | Atty. Docket No. SAIC0017 | Serial No. 09/933,004 |
| | First Named Inventor: David Charles RICKS | |
| | Filing Date 08/21/2001 | Group Unknown |

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite No. | Document Number | Date of Publication | Name of Patentee or Applicant of Cited Document | Int'l. Class | U.S. Class |
|-------------------|----------|-----------------|---------------------|---|--------------|------------|
| | A1 | 3892051 | 07-01-1975 | Bunker | | |
| | A2 | 4259661 | 03-31-1981 | Todd | | |
| | A4 | 5285291 | 02-08-1994 | Schiller | | |

NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author, title of the article, title of the item, date, page(s), volume-issue number(s), publisher, city and/or country where published |
|-------------------|----------|--|
| | B1 | S. Haykin, Adaptive Filter Theory, 3 rd edition, esp. pp. 194, 483, Prentice Hall, 1996. |
| | B2 | Bernard Widrow and Samuel Stearns, Adaptive Signal Processing, Prentice Hall, 1985. |
| | B3 | G. H. Golub and C. F. Van Loan, Matrix Computations, 3 rd edition, Johns Hopkins University Press, (esp. pp. 18-19), with examples tabulated on pp. 254, 263, and 270, 1996. |
| | B4 | Harold Abelson and Gerald Sussman, Structure and Interpretation of Computer Programs, MIT Press and McGraw Hill, pp. 39-40. |
| | B5 | J. S. Goldstein, I. S. Reed, and L. L. Scharf, "A multistage representation of the Wiener filter based on orthogonal projections, " IEEE Transactions on Information Theory, vol.44, no. 7, pp. 2943-2959, November 1998. |
| | B6 | D. C. Ricks, and J. S. Goldstein, "Efficient architectures for implementing adaptive algorithms," Proceedings of the 2000 Antenna Applications Symposium, pp. 29-41, Allerton Park, Monticello, Illinois, September 20-22, 2000. |

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|---|------------------------|
| EXAMINER | DATE CONSIDERED |
| *Examiner: Initial if referenced considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

Patent and Trademark Office— US DEPARTMENT OF COMMERCE



Applicant: RICKS, D.C. Docket/Ref. No. SAIC0017
Title/Mark: System And Method for Adaptive Filtering
Serial/Reg./Patent No. 09/933,044 Date Sent: 2/27/02

☒ Hand Carried ☐ Express Mail No. ☐ Fax ☐ 1st-Class Mail ☐ Cert. of Mailing

New Patent App. ☐ Utility ☐ Design ☐ Cont. ☐ CIP ☐ Div. ☐ PCT ☐ CPA ☐ RCE ☐ Prov.
☐ Formal/Informal/Substitute Drawing Sheet (no. of) Substitute/Specimens
☒ Cover Letter/Transmittal
☐ Combined Declaration/Power of Attorney
☐ Petition to Commissioner for
☐ Request for ___-month Extension of Time
☐ Request for Non-Publication
☐ Transmittal of Issue Fee Form PTOL 85b
☐ Maintenance Fee for ___ years after grant
☐ Notice of Appeal
☐ Appeal Brief
Other: _____

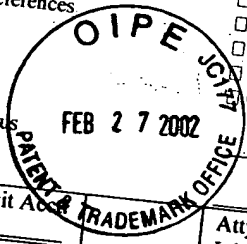
☐ Response/Amendment
☒ Information Disclosure Statement
☒ Form PTO 1449
☐ Copies of cited references

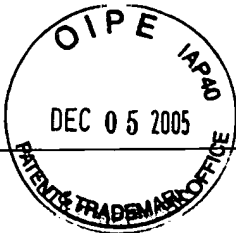
☐ Preliminary Amendment
☐ Response to Missing Parts Notice
☐ Certified Copy of Priority Doc.
☐ Claim of Convention Priority
☐ Verified Statement of Small Entity Status
☐ Assignment Papers

Check for \$ ☐ Charge Deposit Account

THE PATENT AND TRADEMARK OFFICE DATE STAMPED HEREON IS ACKNOWLEDGEMENT THAT THE ITEMS, CHECKED ABOVE, WERE RECEIVED BY THE PTO ON THE DATE STAMPED

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|-------------|--------|----------------|
| Atty. Init. | Tkpr.# | Secy./PL Init. |
| | | <i>dh</i> |





Form PTO-1449
(Rev. 2-32)

U.S. Department of Commerce
Patent & Trademark Office

Atty. Docket No.
SAIC0017

Serial No.
09/933,044

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant

David Charles RICKS, et al.

Filing Date

August 15, 2001

Group

To Be Assigned

U.S. PATENT DOCUMENTS

| Examiner Initial | | Document Number | Date | Name | Class | Sub- Class | Filing Date (if appropriate) |
|---------------------|--|--------------------|------|------|-------|---------------|---------------------------------|
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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
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| | | International Search Report for Application No. PCT/US01/26592, dated November 26, 2001 (mailing date) |
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EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication.



Please return this card, indicating receipt date and Serial No., if applicable, of the following:

Supplemental Information Disclosure ~~Statement~~ Transmittal (in duplicate); Form PTO-1449;
1 Reference

Applicant(s): David Charles RICKS, et al.

Title: SYSTEM AND METHOD FOR ADAPTIVE FILTERING

Serial No.: 09/933,044

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Due Date: -----

GTM/jmpb/36609.206786/SAIC0017/117107

